

Title (en)

Tuned engine mounting system for jet aircraft

Title (de)

Abgestimmte Jettriebwerks- Befestigungsvorrichtung

Title (fr)

Dispositif de fixation pour moteur d'aéronef à réaction accordé

Publication

EP 1031507 A2 20000830 (EN)

Application

EP 00200284 A 20000127

Priority

US 25909299 A 19990226

Abstract (en)

An aircraft assembly includes a wing, a pylon structure attached to the wing, an aft engine mount (30) attached to the pylon structure, and an engine (14) attached to the aft engine mount (30). The aft engine mount (30) includes a pivotal attachment (36) to the pylon structure (12) and first and second spring beams (44,46) operatively connected to the pylon structure (12) at opposing sides of the pivotal attachment for damping pivotal movement of the engine (14) with respect to the pylon structure (12) to enable tuning of the natural frequency of the engine to avoid wing flutter.
<IMAGE>

IPC 1-7

B64C 27/26

IPC 8 full level

B64D 27/18 (2006.01); **B64D 27/26** (2006.01)

CPC (source: EP US)

B64D 27/18 (2013.01 - EP US); **B64D 27/40** (2024.01 - EP US); **B64D 27/404** (2024.01 - EP); **B64D 27/404** (2024.01 - US)

Citation (applicant)

US 4917331 A 19900417 - HAGER THOMAS R [US], et al

Cited by

JP2010536643A; FR2887852A1; EP1266826A1; FR2825976A1; FR2966125A1; CN103153789A; EP1481896A1; FR2855495A1; CN101784442A; RU2472676C2; FR2920138A1; JP2008544905A; FR2887851A1; EP1481895A1; FR2855494A1; US6648271B2; US8839629B2; US7891604B2; US7165743B2; WO2007000456A1; WO2007000457A1; WO2012049399A1; WO2009027333A1; US6988692B2; US7950604B2; US6750295B2; US8256708B2; US8729175B2; JP2008544906A

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